






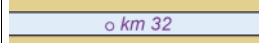






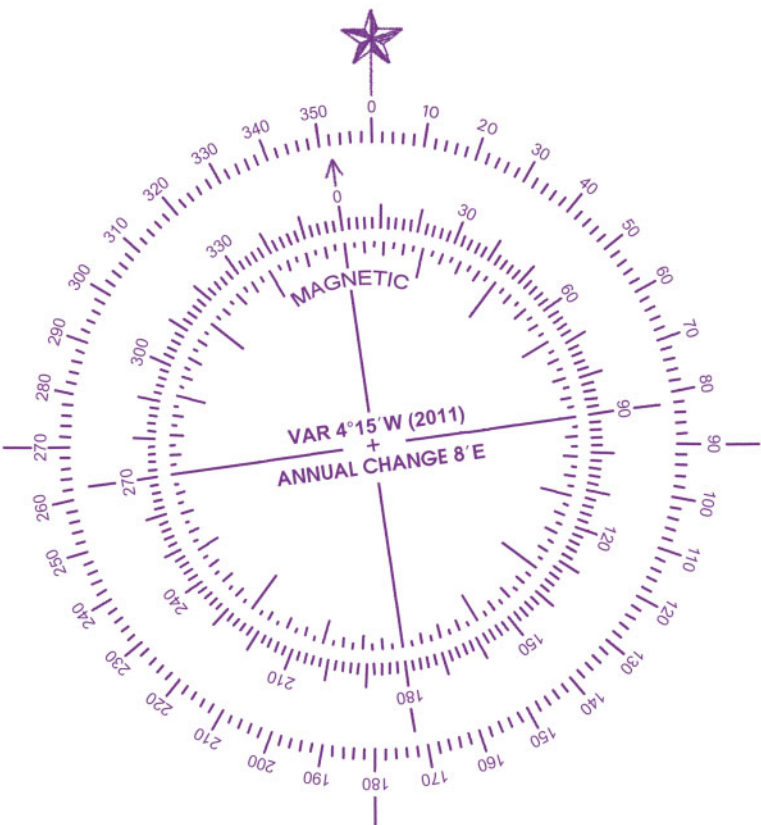
## B Positions, Distances, Directions and Compass

Geographical Positions					
1	Lat	Latitude			
2	Long	Longitude			
3		International Meridian (Greenwich)			
4	°	Degree(s)			
5	'	Minute(s) of arc			
6	"	Second(s) of arc			
7	PA	Position approximate	PA	(PA)	
8	PD	Position doubtful	PD	(PD)	
9	N	North			
10	E	East			
11	S	South			
12	W	West			
13	NE	Northeast			
14	SE	Southeast			
15	NW	Northwest			
16	SW	Southwest			
Control Points					
20		Triangulation point			
21		Observation spot	 Obs Spot		
22		Fixed point			
23		Benchmark	 BM		
24		Boundary mark			
25.1		Distance along waterway, no visible marker			
25.2		Distance along waterway, with visible marker			
Symbolized Positions (Examples)					
30	   Wk	Symbols in plan: position is center of primary symbol			

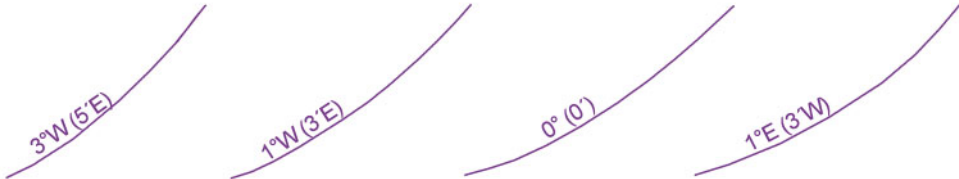
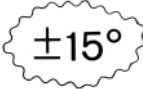

## B Positions, Distances, Directions and Compass

31		Symbols in profile: position is at bottom of symbol		
32		Point symbols: accurate positions		
33		Approximate position		
Units <span style="float: right;">Supplementary national symbols: a – m</span>				
40	km	Kilometer(s)		
41	m	Meter(s)		
42	dm	Decimeter(s)		
43	cm	Centimeter(s)		
44	mm	Millimeter(s)		
45	M	International nautical mile(s) or, sea mile(s) (1852m)	Mi NMi NM	
46		Cable (0.1M)	cbl	
47	ft	Foot/Feet		
48		Fathom(s)	fm	
49	h	Hour	hr	
50	m min	Minute(s) of time		
51	s sec	Second(s) of time		
52	kn	Knot(s)		
53	t	Tonne(s), Ton(s) Tonnage (weight)		
54	cd	Candela		
Magnetic Compass <span style="float: right;">Supplementary national symbols: n</span>				
60		Variation	var VAR	
61		Magnetic	mag	
62		Bearing	brg	
63		True	T	
64		Decreasing		
65		Increasing		
66		Annual change		
67		Deviation	dev	

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68.1	Magnetic Variation 4°30'W 2011 (8'E)	Note of magnetic variation, in position		
68.2	Magnetic Variation at 55°N 8°W 4°30'W 2011 (8'E)	Note of magnetic variation, out of position		
70	<p>Compass rose, normal pattern (smaller patterns of compass rose may be used)</p> <p>Magnetic variation (example): on magnetic north arrow            VAR 4°15'W (2011) means Magnetic Variation was 4°15'W in 2011            ANNUAL CHANGE 8'W means annual change is 8'E or decreasing 8' annually</p> 			

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71	Isogonic lines, Isogonals			
	<p>MAGNETIC VARIATION LINES ARE FOR 2008</p> <p>The magnetic variation is shown in degrees, followed by the letter W or E, as appropriate, at certain positions on the lines. The annual change is expressed in minutes with the letter W or E and is given in brackets, immediately following the variation.</p> 			
82.1		Local magnetic anomaly: <i>Within the enclosed area the magnetic variation may deviate from the normal by the value shown</i>		
82.2	Local Magnetic Anomaly (see Note)	Local magnetic anomaly: <i>Where the area affected cannot be easily defined, a legend only is shown at the position</i>	LOCAL MAGNETIC ANOMALY (see note)	Local Magnetic Disturbance (see Note)  Local Magnetic Anomaly (see Note)
Supplementary National Symbols				
a		Square meter	m <sup>2</sup>	
b		Cubic meter	m <sup>3</sup>	
c		Inch(es)	in	
d		Yard(s)	yd	
e		Statute mile	St M    St Mi	
f		Microsecond(s)	μsec    μs	
g		Hertz	Hz	
h		Kilohertz	kHz	
i		Megahertz	MHz	
j		Cycles/second	cps    c/s	
k		Kilocycle	kc	
l		Megacycle	Mc	
m		Ton(s) (U.S. short ton) (2,000lbs)	T	
n		Degree(s)	deg	